

ROOKEELS.OLOGOE

Wet Crepe Throughdry Process for Making bsorbent Sheet and Novel Fibrous Products; S.L. Edwards et al.; USSN Unknown; Docket 2196-1 (FJ-99-41)

3 10 DEG BLADE HIGH ADHESION
0 DEG BLADE
UNCREPED TAD -10 DEG BLADE LOW ADHESION -UNPRESSED HANDSHEET -83 -DRY-CREPE CONTROL 15 DEG BLADE -2 9 PRESSURE DROP, INCHES  $\rm H_20$ 13

VELOCITY 1000 ---

1600-

1800-

1400-

1200-

B00-

400+

<del>1</del>009

2007

FIG. 6





FIG. 7





FIG. 8



Absorbent Sheet and Novel Fibrous Products; S.L. Edwards et al.; USSN Unknown; Docket 2196-1 (FJ-99-41)



:IG. 9

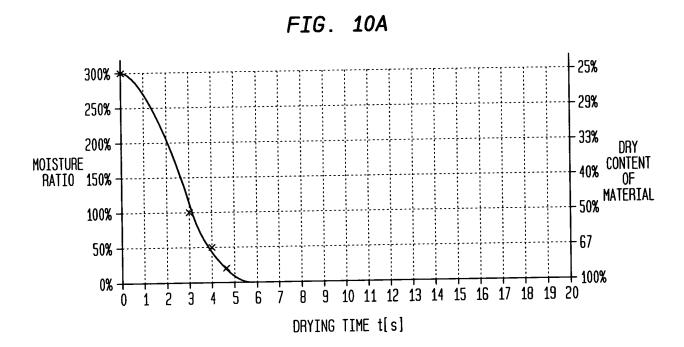
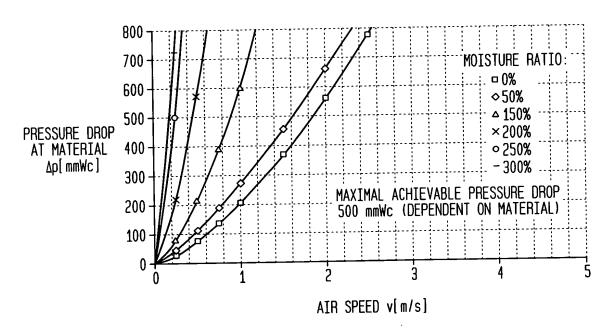
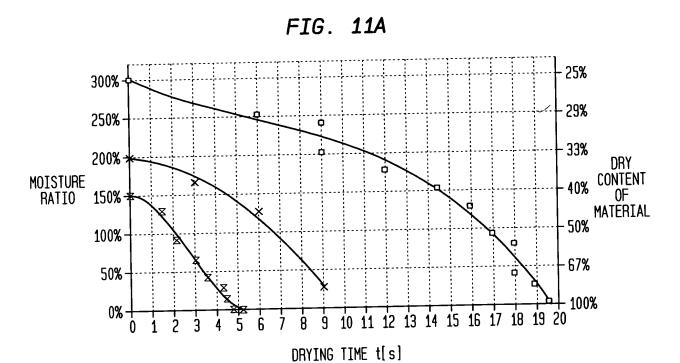
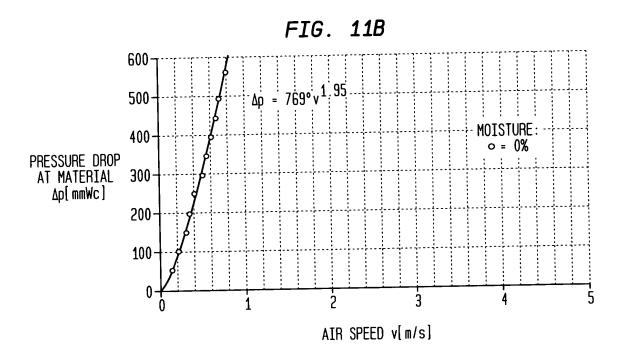
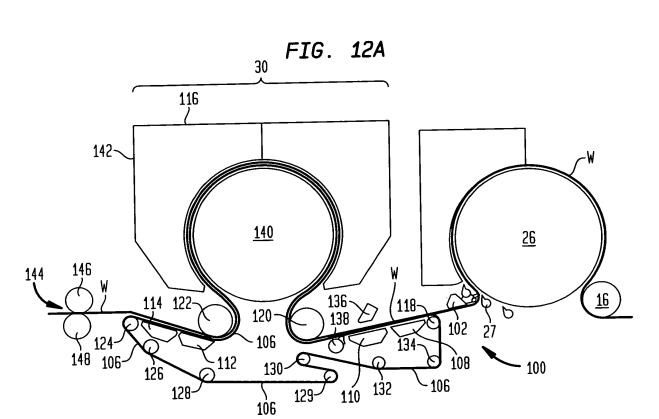


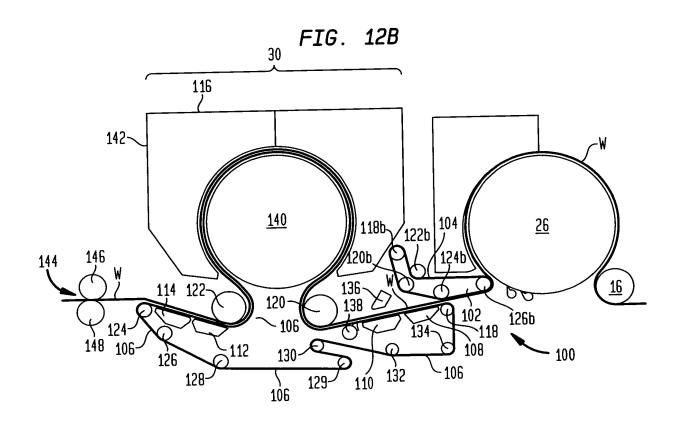
FIG. 10B

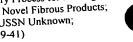


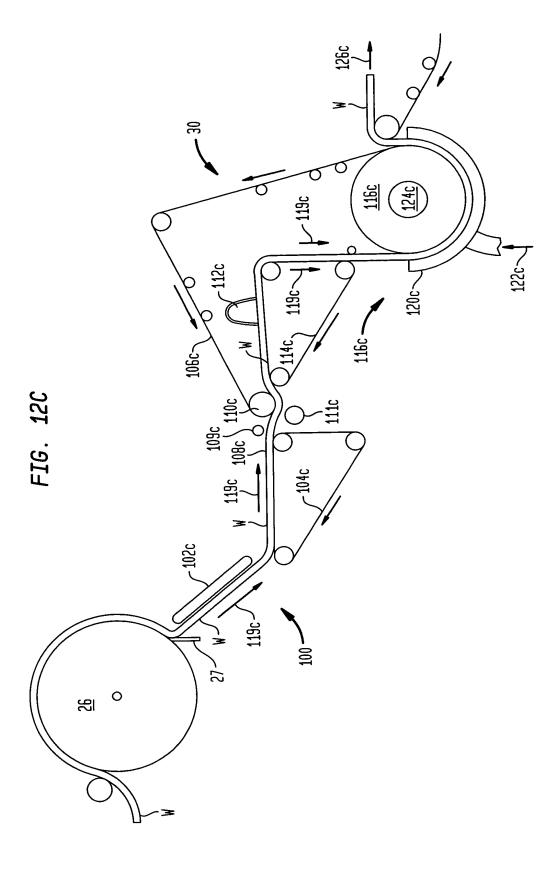






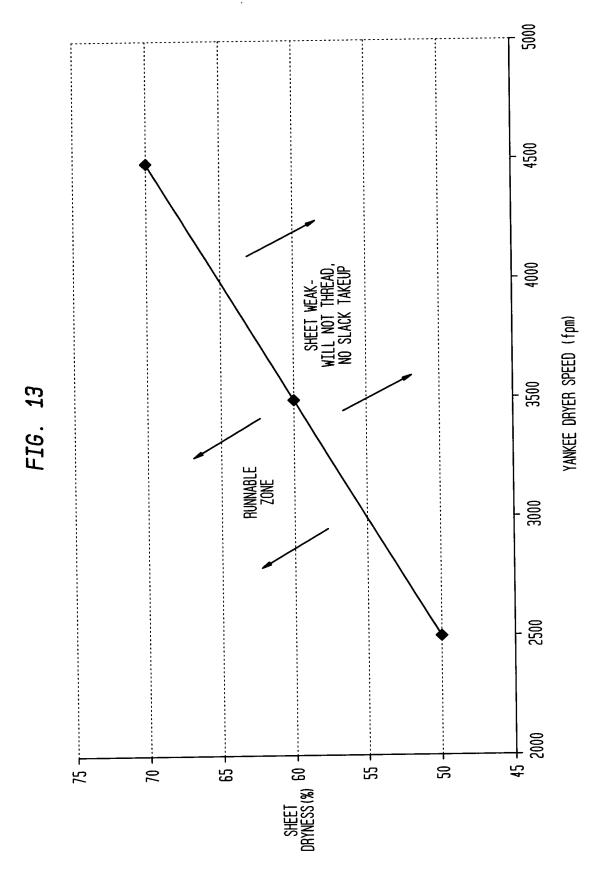


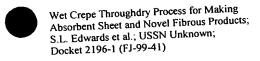


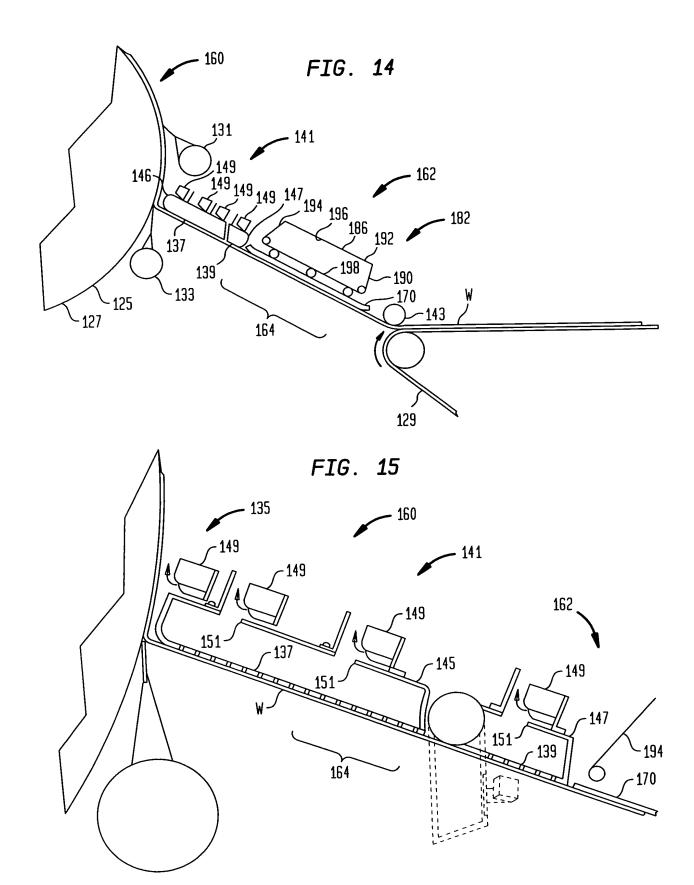
















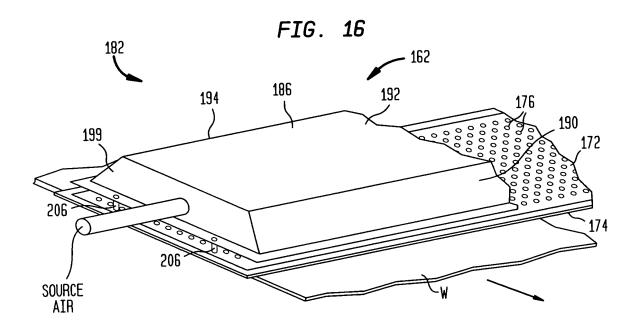
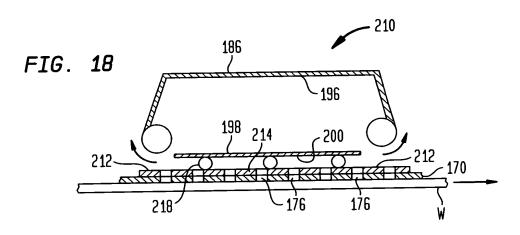
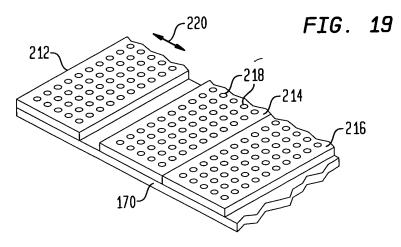


FIG. 17





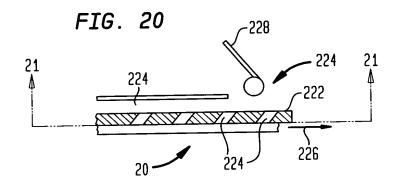
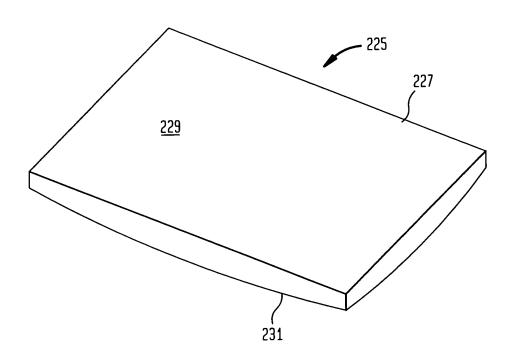


FIG. 21

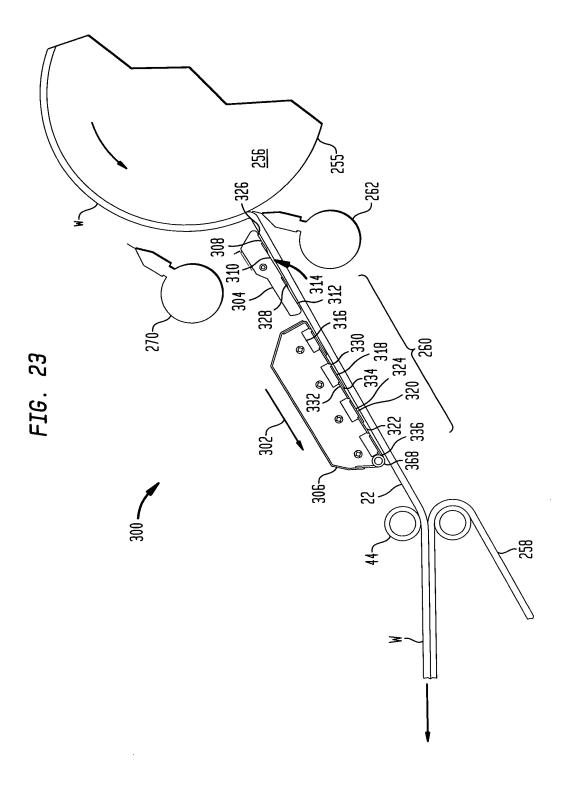




FIG. 22



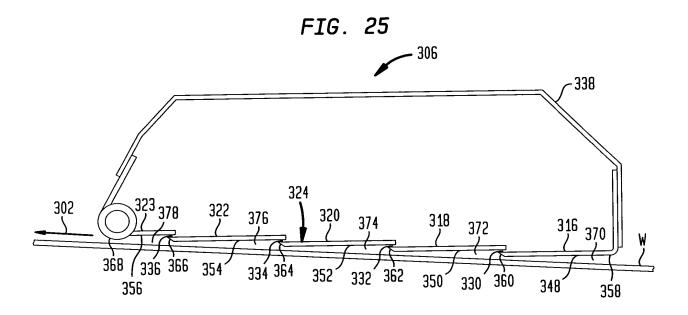
Vet Crepe Throughdry Process for Making Absorbent Sheet and Novel Fibrous Products; S.L. Edwards et al.; USSN Unknown; Docket 2196-1 (FJ-99-41)

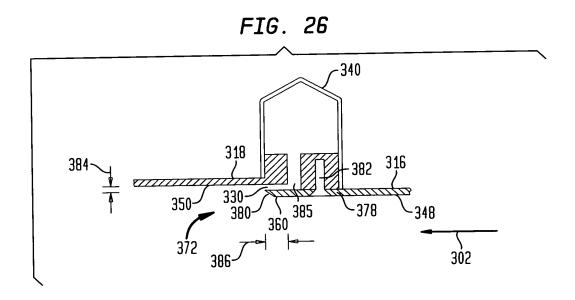




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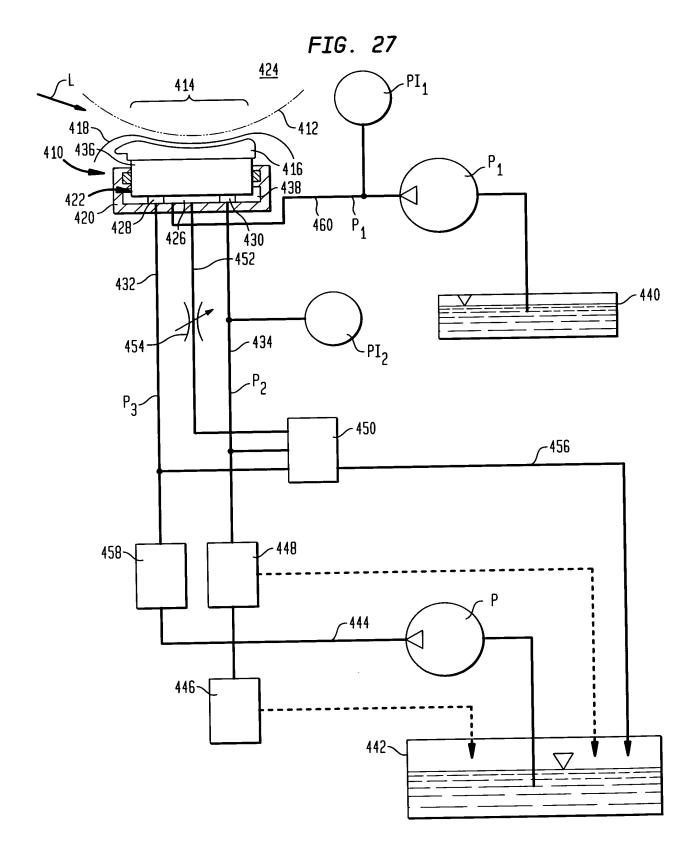
FIG. 24











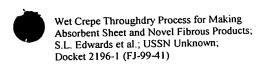
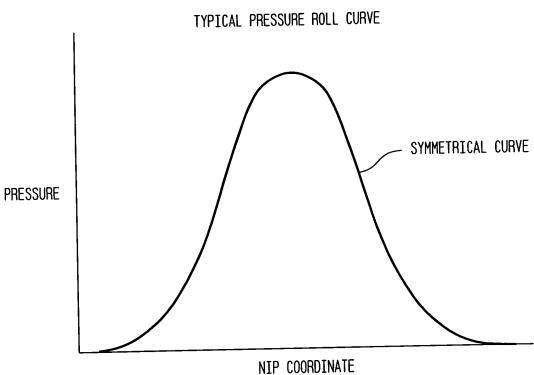


FIG. 28



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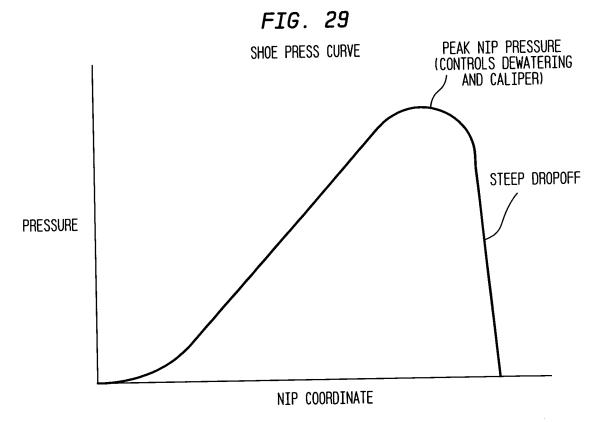
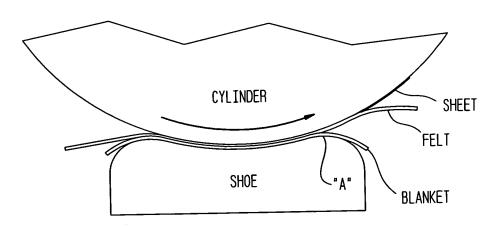


FIG. 30 AN OPTIMIZED SHOE PRESS CURVE PEAK NIP PRESSURE (CONTROLS DEWATERING AND CALIPER) STEEPER DROPOFF **PRESSURE** VERY SHORT TIME INTERVAL REDUCES SHEET REWETTING NEGATIVE PRESSURE IN THE FELT KEEPS WATER FROM REWETTING THE SHEET — NIP COORDINATE

FIG. 31 SHOE PRESS WITH LARGE DIAMETER TRANSFER CYLINDER AND WITH FELT PARTIALLY WRAPPING CYLINDER









SHOE PRESS TAPERED ON THE EXIT SIDE SO THAT BLANKET/FELT CAN BE RAPIDLY REMOVED FROM SHEET

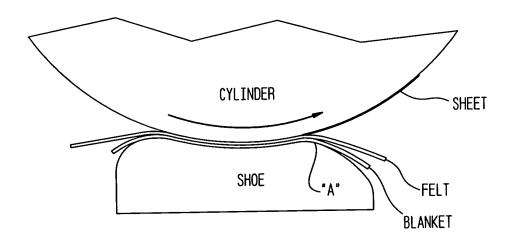
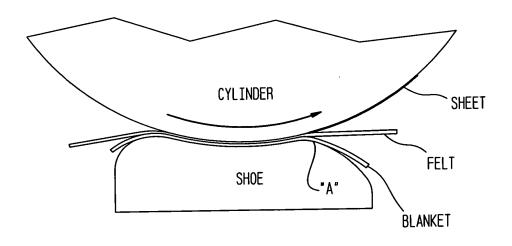
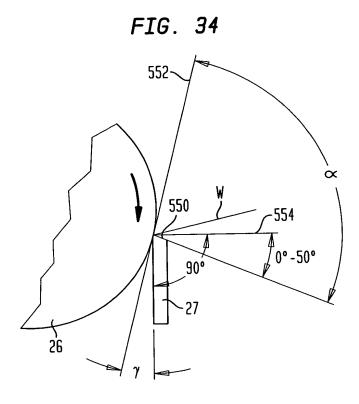


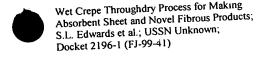
FIG. 33

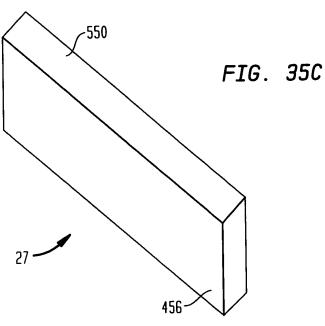
SHOE PRESS TAPERED ON THE EXIT SIDE SO THAT FELT CAN BE RAPIDLY REMOVED FROM THE SHEET WHILE THE BLANKET IS SIMULTANEOUSLY RAPIDLY REMOVED FROM THE FELT



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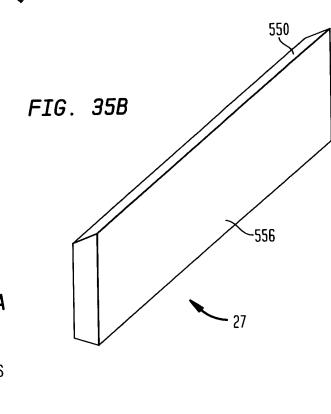


FIG. 35A

